

The People's Weekly Page of Electrical News

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Is the powerful force that may be injected into the message that is sent near or far by Long Distance Bell Telephone.

Daily Half a Million Bell Telephone Calls are "Made in Nebraska."



Bell Telephone Lines Reach Nearly Everywhere

ILLUMINATING FOR WILSON

Washington Brilliantly Lighted for Inauguration Ceremonies.

LOOPEO FESTOONS PROMINENT

Monument to Father of Our Country Has Search-Lanterns and Spot-Lights on It.

Washington is planning a most elaborate illumination of the city streets and public buildings in honor of the inauguration of Wilson and Marshall on March 4. The dome of the capitol is to be brilliantly illuminated from large search lanterns placed on the west roof of the building and on the roofs of the house and senate office buildings. There will be an added attraction in the "Court of Honor" to be constructed before the White House. This will be a reproduction of the classic part of the Jefferson mansion at Monticello, and on either side of it will be a stand designed for the seating of distinguished guests. The porch in which the president is to sit will have "spot" lamps directed against it so as to bring it out in bold relief.

Avenue Decorated.

Pennsylvania avenue will be decorated from the treasury to the peace monument with looped festoons supported at three points on steel messenger wires. From the center of the span there will be dropped a brilliantly illuminated pendant of light in varicolored lamps. These festoons will be placed at intervals of 100 feet. The fountain will be in operation at the peace monument, at the base of the capitol, and this work will be brightly lighted from three "spot" lamps placed near the base. These lamps will be provided with color screens, so that combinations of color can be effectively used on the flowing water.

The Washington monument will be illuminated by search lanterns and "spot" lamps, the latter to be placed in the monument lot with their rays directed toward the lower portion of the monument, while projectors from the Raleigh hotel, from the state, war and navy building and from the Potomac Electric Power company's building will be directed to the north and east sides of the shaft. Flagpoles located back of the Columbus memorial at Union station will be brilliantly sparkled with electric lamps and "spot" lamps will be used to bring out the beauty of the memorial. Cedar trees, effectively decorated in the manner of a Christmas tree or with festoons of lamps suspended immediately over them from poles, will be used to outline the plaza at Union station.

Cooking on Electric Stove.

If you use ordinary kitchen utensils for cooking on a small electric table stove, do your best to see that they are aluminum. Anything heavier or thicker, especially granite, takes too long for the process of heating through and wastes your time and current.

An aluminum double cooker will give you an opportunity to cook rice, breakfast cereals, and even spaghetti, macaroni, etc. Of course, any utensil that is used on an electric stove must set down closely to the stove so that the heat will not radiate and be wasted.

Electricity Used for Doing Many Things in the Household

It is surprising in how many ways electric power can be utilized. If one has no gas or coal stoves or heaters, he need not be seriously inconvenienced. Electric heaters and cooking appliances are now so perfected that they give universal satisfaction. Most wonderful of all is the Copeman Automatic Electric Stove, demonstrated at the "Made in Nebraska Show" by The Electric Shop. With this combination electric stove and fireless cooker, the housewife can prepare the breakfast in the evening, place it in the stove and set the clock for, say, 6 o'clock. At this hour the clock will automatically turn on the current, which remains on just long enough to bring the food to the proper temperature. When this point is reached the circuitbreaker is automatically opened, cutting off the current. Thus the food cannot burn and the fireless cooker keeps the meat hot, even if you oversleep. The cost of operation is comparatively small as the Omaha Light and Power company will gladly furnish a separate meter for heating and cooking devices and give the low rate for all current so used.

MUSIC BY WIRELESS LATEST IN PLAYER PIANO INVENTIONS

Music by "wireless" is the latest electrical wonder. The key of the transmitter is pressed and a piano begins to play—not mechanically, but with expression and loudly or softly, slowly or quickly, as the operator may wish.

This idea of controlling orchestral instruments by wireless waves was demonstrated at the London coliseum by the inventor (Raymond Phillips) and is really his way of illustrating his claim to have solved the problem of selective wireless control. Mr. Phillips had three pianos on the coliseum stage, especially constructed to produce orchestral effects.

The pianos were each connected with another instrument called a selective wireless receiver. The receiver, in turn, was connected with a large battery, the whole comprising a wireless controlled orchestra.

Mr. Phillips' little audience of newspaper representatives was enabled to listen to some excellent music from the pianos, and at the public performance a vocalist will sing to a "wireless" accompaniment.

Mr. Phillips also showed the wireless controlled harmonophone, which comprises a case containing twelve tuned bells. These bells were played direct from the keyboard of the selective wireless transmitter.

Sultan Uses Electricity.

In the palace of the sultan of Oman, at Maskat, there has just been completed the first electric light and power plant in Arabia. It will supply current for 300 lamps in the palace, its gardens and adjacent buildings.

With the example set by the sultan, it is believed the use of electricity will become general in that historic city.

TELEPHONE IN LIMOUSINE

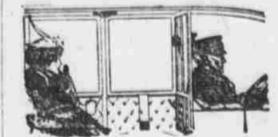
It is Known as Chau-Phone and is Convenient.

DRIVER MADE TO HEAR RIDER

Receiver May Be Placed so that no Trouble is Experienced by the Occupant or the Chauffeur.

The Chau-Phone is the new means of communication in limousines. It is, of course, merely a miniature telephone. Any machine, old or new, may have this convenient method of talking installed. It is largely supplanting the old-fashioned speaking tube.

The set consists of a hand transmitter, shaped somewhat like the familiar magnifying glass, a loud speaking megaphone-shaped receiver, a flexible



transmitter cord or wire. To operate the telephone, the regular car batteries may be used, as only a pressure of from six to eight volts is required.

The transmitter contains a gravity switch which closes automatically when the instrument is held handle down. When not in use, the transmitter is placed handle up, in a pocket in the upholstery of battery current when the set is not being used for talking. The receiver may be placed, either for right or left hand drive, directly at the driver's ear, and the design is such that by merely talking into the transmitter in an ordinary conversational tone, every word will be heard by the driver above wind and street noises.

X-Ray Solves Mystery.

The disappearance of collar buttons is a perpetual subject for masculine "objurgation and one of the stock jokes of the era of civilization. Thanks to the X-ray, one of these elusive articles has recently been located in the lung of its pursuer after a hunt which began sixteen years ago and terminated in a Pittsfield (Mass.) hospital in connection with an obstinate case of bronchial disturbance. Missouri papers please copy.

London Subway Fifty Years Old.

On January 10, 1863, the first train was run on the Metropolitan railway, the first underground railway in London, England. At that time steam was used for operation and as the locomotives burned soft coal, conditions were extremely disagreeable and unhygienic. In 1904 the road changed to electric operation.

First Trolley Car.

One hears a good deal of argument as to when the first electric railway made its appearance. As early as 1835 electric locomotives were the subjects of experiments and at that period crude electric engines were tried at Brandon, Vt., and Aberdeen, Scotland. The first real trolley line was built in Berlin in 1879. The first city traction system to be electrified was that of Richmond, Va., in 1888.

Fixing Connecting Cord for Use of the Moveable Devices

Many a modern housekeeper who has been converted to the use of electric current in the home finds that she is hampered in the use of portable appliances, such as irons, chafing dishes or lamps, by the length of the cord by which she connects them to the socket. A short cord limits the range of usefulness of an appliance and it is easily seen that an extremely long connecting line is not desirable because of the inconvenience in caring for the surplus cord, but unless the house is well supplied with outlets, it will be necessary to use a long cord to make the greatest use of the appliance at hand. It is possible to obviate the inconvenience of a long cord when working near an outlet by using a number of small cord adjusters, which may be obtained at any electric shop at the cost of a few cents. These simple articles take up "tucks" in the cord and prevent tangling and interference with the worker.

SEARCHLIGHTS USED TO GUIDE FISHING DORIES

Electricity is now rendering a little less dangerous the fishing operations of the fishing fleets of the north Atlantic coast, whose men brave perhaps more dangers than any other class of workers. An electric searchlight—a modification of the well known electric automobile search light—has been installed upon almost every vessel of the Gloucester and T-Wharf fishing fleets, and although these lights have been in operation less than a year they have already been instrumental in saving several lives.

The search lights take the place of flare torches on the vessels. The new devices are powerful enough to pierce the thickest fog or darkest night for a long distance, and at the same time are small and light enough to be carried by hand from place to place about the vessel.

Lighting in Factories.

The East Indian factories act recently drafted by the English Parliament, contains the following reference to lighting. In chapter III, dealing with health and safety, it is laid down that:

"First—Every factory shall be sufficiently lighted.

"Second—In the case of any factory which is not, in the opinion of the inspector so lighted, the inspector may serve on the manager of the factory an order in writing, specifying the measures which he considers necessary for the attainment of a sufficient standard of lighting, and requiring him to carry them out before a specified date."

Boiling on Electric Stove.

Put one-quarter of an inch of water into a pan (preferably aluminum), cover and see that the cover fits snugly. The eggs will be boiled soft in about four minutes. One or two trials will show how to time them to exactly suit your palate. The process of cooking is, of course, done by the steam.

COOKING BY NEW MEANS

Sordidness of Work Done Away with Through Electricity.

WOMAN MAKES SPREADS EASIER

Two Dishes that Are Very Easily Made on Electric Devices and that Are Good to Eat.

There would not be so many dainty spreads for anyone if cooking had not been relieved of its sordid nature. The electric chafing dish or the disk stove or the toaster being so far removed from rubbing sticks to get a fire as to press a button and conceit something without even fire are the present day needs of the home entertainer. She can make easier and in a more dainty manner and quicker than by any other heat the little things which are liked at "spreads."

Tomato Rarebit.

Cook over hot water two tablespoons of butter, two tablespoons of flour, three-fourths cup of thin cream. Cook this cream sauce until smooth, then add two-thirds cup of tomato pulp, into which is dissolved one-eighth teaspoon of soda. Two cups of cut up cheese (soft), season with one-half teaspoon of salt, one-half teaspoon of paprika, one-quarter teaspoon of mustard, dash of Worcestershire sauce. When cheese is melted smoothly, add one egg well beaten. Serve hot on toast or wafers.

Cocoa Fudge.

One and one-half cups of pulverized sugar, one of granulated sugar, a pinch of salt, six tablespoons of cocoa and two-thirds of a cup of rich milk; boil until it makes a firm ball when dropped into cold water.

Remove dish from heat; add a large tablespoon of butter and one teaspoon of vanilla. Beat until like thick molasses and turn into buttered pan. Score into squares before entirely cold. A cup of raisins or broken-up nut meats may be added for variety.

'Phone Service is Growing.

DALLAS, Tex., Feb. 23.—One million pounds of copper has been spun into wire for the extension and development of the telephone system in Texas during 1912. Between 300 and 500 acres of forest is being stripped of its straightest trees to make the 20,000 poles of this special order. A great ship laden to its capacity with 1,000,000 gallons of creosote to be used in treating these poles is steaming slowly toward Port Arthur. Fifteen freight cars will be required to transport the reels of twisted cable, the ground anchors, crossarm braces and galvanized iron bolts necessary in the construction of entirely new and the reconstruction of old pole lines as estimates have been figured and appropriations for work have been made.

Elevators Carry Many.

There are between 9,000 and 10,000 passenger elevators and 12,000 freight lifts in Manhattan alone which carry about 6,500,000 persons each day. In the six years from 1906 to 1908 more than 4,000 elevators of all makes were installed.

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Face-to-face—

That is practically the way you talk to the man whom you confer with over the Long Distance lines of the Bell Telephone System.

Daily Half a Million Bell Telephone Calls are "Made in Nebraska."



Bell Telephone Lines Reach Nearly Everywhere

THE ELECTRIC SHOP...

The "Made in Nebraska Show" will open its door to the public tomorrow, March 5th.

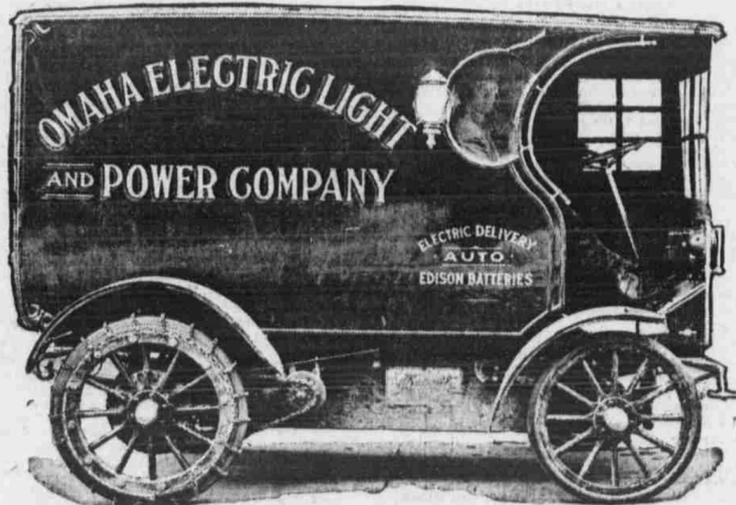
We, THE ELECTRIC SHOP, extend to the public a most cordial invitation to visit our elaborate exhibition at Booth 41 and 42. The latest styles and types of electric appliances will be demonstrated by polite and skillful demonstrators. Our artistically designed fixtures and Art Domes for house and store will be the talk of the town.

Remember Booth 41-42

Wolfe Electric Company

Tyler 1414 1810 Farnam

Truck With Excellent Record



Costs Very Little to Operate at Any Time.

Operating and maintaining a 1,000-pound Detroit electric wagon cost the Omaha Electric Light and Power company but 27 cents per mile for a period of 192 days, during which 162 trips were made and 2,975 miles covered. In this time more than 2,204 stops were made. A maximum run of forty-two miles was made on one battery charge, and there was still a large amount of power left. The general repairs of the electric car during this time cost practically nothing.

The chauffeur of the machine reported that he had no trouble at all with the car and made the highest speed that he desired. No accidents occurred and the machine was never a bother in any way. Trips were made during all kinds of weather and the cold and snow did not deter the progress of the electric at any time.

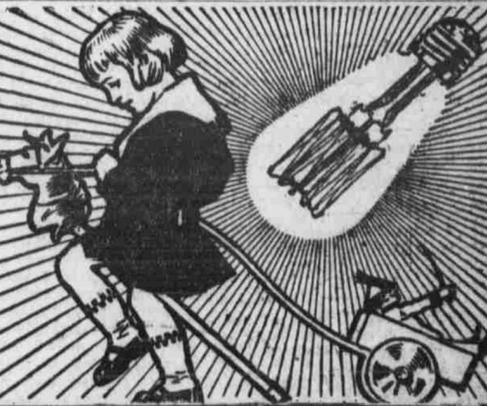
Expenses Very Low.

General expenses for the electric for each mile figured up to but 934 cents per mile. The tire expense was less than a quarter of a cent for this distance. The electricity consumed about one-tenth of a cent per mile.

The cost per mile for operating and keeping the machine are given in the following tabulations, which were made by the owners of the machine:

Expenditure	Cost per Mile.
General Expenses—Supervision, garage rent, state license, washing and minor repairs.....	0.084
Operating Expenses—Fixed charges (interest, depreciation, taxes and insurance).....	.000
Tires.....	.025
Battery recharges.....	.010
General repairs.....	.010
Electricity (consumers' rate).....	.010
Total cost per mile, exclusive of driver.....	0.092
Based 870 miles for thirty days.	

Proof of the fine results to advertisers on this page is found in the growth of the amount of space used here. This page must be a good medium or it would not be used—it would not grow.



Electric Light Makes Happy Homes

Your home will become immeasurably more pleasant to live in, once it is equipped for Electric Light. This pure air illuminant makes a home more healthful, especially for children. From better health come better spirits—more happiness. Home Furnishings and decorations stay bright and clean. Because there is less cleaning to do, work is lessened. Your wife's time and strength is conserved. Yet with all its superiority Electric Light is economical

Let our Contract Department go into details with you regarding cost of installation and operation

Omaha Electric Light & Power Co.